

## CLAIMS:

- [1] A speaker diaphragm made of a mixture comprising a non-chlorinated synthetic resin intermixed with a powdery cellulose material whose particle size falls within a range of from  $5\ \mu m$  to  $500\ \mu m$ .
- [2] A speaker diaphragm as defined in claim 1, wherein 30 % to 70 % by weight of the powdery cellulose material is contained in the mixture.
- [3] A speaker diaphragm as defined in claim 1, wherein the non-chlorinated synthetic resin is selected from the group consisting of polyolefin resins, polyester resins and polystyrene resins.
- [4] A speaker diaphragm as defined in claim 1 or 2, wherein the powdery cellulose material has been subjected to a surface treatment to enhance its affinity to the non-chlorinated synthetic resin.
- [5] A speaker diaphragm as defined in claim 1, 2 or 3, wherein the mixture is colored with a colorant.
- [6] A speaker diaphragm as defined in claim 1, 2 or 4, wherein the powdery cellulose material has a natural fragrance, and the molding of the mixture has been carried out at a temperature of from  $160\ ^\circ\text{C}$  to  $200\ ^\circ\text{C}$ .
- [7] A speaker diaphragm as defined in any one of the preceding claims 1 to 6, wherein the surface treatment for enhancing the affinity of the powdery cellulose material to the non-chlorinated synthetic resin is esterification using an anhydride of a polybasic acid.
- [8] A speaker diaphragm as defined in claim 7, wherein the mixture is composed of the non-chlorinated synthetic resin, the powdery cellulose material and an organic peroxide.